REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

Status of Claims

Claims 1, 2, 4-9, 12-30 are pending in the application.

Claims 1, 2, 4-9, 12-29 have been rejected.

Claims 3 and 18-29 have been cancelled without prejudice to future reinclusion.

Claims 1, 2, 4-9 and 12-16 have been amended.

Claim 30 has been newly added.

No new matter has been added in these amendments. **Appendix A** contains a clean version of the pending claims.

CLAIM REJECTIONS

35 U.S.C. § 102 Rejections

In the Office Action, the Examiner rejected claims 12, 14, 15 and 17 under 35 U.S.C. § 102(b), as being anticipated by Orr et al. (US Patent No. 5,895,476).

Applicants respectfully point out that Orr does not in fact teach each and every element of claim 12, particularly as clarified by the amendment herein. The Orr reference produces a plurality of documents having <u>identical content</u>, differing <u>only</u> in layout for different media: "embodiments of the present invention support the automatic integration,

composition and layout of content from multiple sources. . ." Orr, col. 2, lines 56-58. The "multiple sources" refers only to different types of data (e.g., "text, pictures, data, graphics. . ." col. 5 lines 35-36), not to different content.

Thus, for example, Orr does not teach "a data table defining schema for at least one data set." Moreover, as Orr merely assigns a single data value to a single dynamic object, it does not teach "at least one rule for resolving said dynamic object based on said data table." Nor does Orr teach "said layout object having at least one area associated with a dynamic object."

Accordingly, claim 12 is deemed allowable, as are claims 14, 15 and 17, dependent therefrom. Allowance is respectfully requested.

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claims 1-5, 7-10, 16, 18-22 and 24-29 under 35 U.S.C. § 103(b), as being anticipated by Orr et al. in view of Poole et al. (US Patent No. 6,006,242). Claim 10, 18-22, and 24-29 have been cancelled. Claims 1-5, 7-9, and 16 are pending.

The Orr reference is discussed above as teaching outputting identical content in merely different formats. The Poole reference discloses:

> An apparatus and method for dynamically constructing electronic and printable documents and forms. An entity reference is read from a document instance and compared to entity identifiers provided in a catalog containing a plurality of entity identifiers. Each of the entity identifiers in the catalog is associated with an entity resolution process. An inference engine or other entity resolving processor is invoked to effectuate the resolution process associated with a matching entity identifier. The inference engine or entity resolving processor resolves the entity reference to a resolved entity, such as a component of text or graphics to be included in a document. Linking between the document, entity reference, and

resolved entity provides for detailed auditing of the entity resolution process. . . (Abstract)

Neither Orr nor Poole, alone or in tandem, teaches a dynamic document template as recited in claims 1 and 12. Nether Orr nor Poole teach a logic component including "a data table defining schema for at least one data set," nor do they teach "at least one rule for resolving said dynamic object based on said data table." Moreover, neither Orr nor Poole teach a layout section including "at least one layout object, said layout object having at least one area associated with a dynamic object."

In the Office Action, the Examiner rejected claim 13 under 35 U.S.C. § 103(a), as being unpatentable over Orr et al. in view of Li (US Patent No. 6,725,227).

However, Li cannot rectify the defecits in the Orr reference. Neither Orr nor Li teaches "a data table defining schema for at least one data set" or "at least one rule for resolving said dynamic object based on said data table," as recited in claim 12, from which claim 13 depends. Nor do Orr or Li teach "said layout object having at least one area associated with a dynamic object," also recited in claim 12, from which claim 13 depends.

Accordingly, claim 13 is deemed to be allowable. Favorable consideration is requested.

In the Office Action, the Examiner rejected claims 6 and 23 under 35 U.S.C § 103(a), as being unpatentable over Orr et al., in view of Poole, further in view of Li .

It is respectfully noted that claim 23 has been cancelled. With respect to claim 6, none of Orr, Poole or Li, alone or in combination, teach a dynamic document template as recited in claims 1, from which claim 6 depends. None of Orr, Poole, or Li teach a logic component including "a data table defining schema for at least one data set," nor do they teach "at least one rule for resolving said dynamic object based on said data table." Moreover, none of Orr, Poole, or Li teach a layout section including "at least one layout object, said layout object having at least one area associated with a dynamic object."

Accordingly, claim 6 is deemed to be allowable. Favorable consideration is requested.

In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 50-3355.
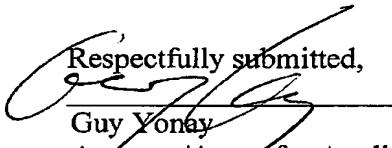
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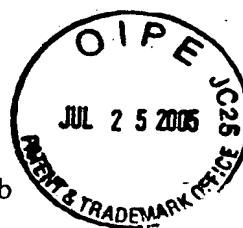
Appendix A

1.   A computer-based method for representing a dynamic document on a computer-readable medium, comprising the step of:

proviiding a dynamic document template including a logic component and a layout section,

wherein said logic component includes at least one dynamic object, a data table defining schema for at least one data set, and at least one rule for resolving said dynamic object based on said data table, and

wherein said layout section includes at least one layout object, said layout object having at least one area associated with a dynamic object.

2.   A method according to claim 0, further comprising binding an instances set to said dynamic document template, thereby defining a plurality of documents differing from each other based on said instances set.

3.   (Cancelled)

4. (Currently Amended)   A method according to claim 2, wherein said data table includes schema for at least one database and schema for at least one media source.

5. (Currently Amended)   A method according to claim 2, wherein said layout section comprises:

a set of layout objects, said layout objects represented in either a vendor neutral format, or native format of a layout tool, wherein said layout tool is indicated by the type of said object;

a set of possible pages in said dynamic document; and

a set of placeholders for said dynamic objects.

6.   A method according to claim 1, wherein said at least one rule is defined in terms of Relational Algebra.

7.   A method according to claim 1, wherein said dynamic objects comprise a storage system for content items, said storage system being operable to receive requests for items in a form of a reference and to reply with an actual item.

8.   A method according to claim 0, wherein said data table defines a schema for at least one Relational Database.

9.   A method according to claim 2, wherein said step of binding comprises the step of assigning said instances sets to said data table.

10-11. (Cancelled)

12.   A computer-readable dynamic document template comprising:

a logic component and a layout section, wherein said logic component includes at least one dynamic object, a data table defining schema for at least one data set, and at least one rule for resolving said dynamic object based on said data table, and wherein said layout section includes at least one layout object, said layout object having at least one area associated with a dynamic object.

13.   The dynamic document template according to claim 0, wherein said at least one rule is defined in terms of Relational Algebra.

14.   The dynamic document template according to claim 0, wherein said dynamic object comprises a storage system for content items, said storage system being operable to receive requests for items in a form of a reference and to reply with an actual item.

15. The dynamic document template according to claim 0, wherein said data table includes schema for at least one database and schema for at least one media source.

16. The dynamic document template according to claim 0, wherein said data table defines a schema for at least one Relational Database.

17. The dynamic document template according to claim 0, wherein said layout objects are represented in either a vendor neutral format, or native format of a layout tool, and wherein said layout tool is indicated by the type of said object.

18-29. (Cancelled)

30. The method of claim 2, wherein said step of binding comprises mapping elements of said instances set to elements of said data table.